



Armfield Academy – Department of Computer Science
2021-22 Year 7 Curriculum Overview



Half Term 1	
Date	Unit Name – Getting started
WB 6 th September	Logging on
WB 13 th September	Baseline assessment File management, cloud computing and VLEs
WB 20 th September	The internet and digital wellbeing
WB 27 th September	Vector graphics
WB 4 th October	Bitmap graphics
WB 11 th October	Impossible photographs (Assessment)
Half Term 2	
WB 1 st November	Feedback, D.I.R.T and Pupil Voice
Date	Unit Name – Computing – Past, Present and Future
WB 8 th November	Alan Turing: Encryption
WB 15 th November	Larry Page: Using Google
WB 22 nd November	Edward Snowden: Privacy
WB 29 th November	Hedy Lamarr: WiFi and Bluetooth
WB 6 th December	Revision
WB 13 th December	Assessment
Half Term 3	
WB Tues 4 th Jan	Feedback, D.I.R.T and Pupil Voice
Date	Unit Name – Computer Components
WB 10 th January	Computer Hardware
WB 17 th January	Peripherals
WB 24 th January	Memory and Storage
WB 31 st January	The internet, WWW and IoT
WB 7 th February	Assessment
Half Term 4	
WB 21 st February	Feedback, D.I.R.T and Pupil Voice

Date	Unit Name – Internet Safety, Cyber Security and Encryption
WB 28 th February	Passwords and Phishing
WB 7 th March	Malware
WB 14 th March	Encryption
WB 21 st March	Cyber Attacks and Encryption
WB 28 th March	Assessment / Algorithms
Half Term 5	
Date	Unit Name – Logic, Processes and Flowcharts
WB Tues 19 th April	Flowchart Symbols
WB 25 th April	Creating Flowcharts
WB 2 nd May	Flowcharts
WB 9 th May	Practise and Sum Up
WB 16 th May	Practise and Sum Up
WB 23 rd May	Assessment
Half Term 6	
Date	Unit Name – Programming in Scratch
WB 6 th June	Introduction to the Scratch Environment
WB 13 th June	Movement
WB 20 th June	Sensing and selection
WB 27 th June	Variables
WB 4 th July	Next Level
WB 11 th July	Finish your game
WB 18 th July	End of Year Review



Armfield Academy – Department of Computer Science
2021-22 Year 8 Curriculum Overview



Half Term 1

Date	Unit Name – Introducing Spreadsheets
WB 6 th September	Formulae, replication and referencing
WB 13 th September	Functions using SUM, AVERAGE, MAX and MIN
WB 20 th September	Boolean Operators and the IF and COUNT functions
WB 27 th September	Formatting, graphs and charts
WB 4 th October	Modelling
WB 11 th October	Theme Park Challenge (Assessment)

Half Term 2

WB 1 st November	Feedback, D.I.R.T and Pupil Voice
Date	Unit Name – Computing – Past, Present and Future
WB 8 th November	Alan Turing: Encryption
WB 15 th November	Larry Page: Using Google
WB 22 nd November	Edward Snowden: Privacy
WB 29 th November	Hedy Lamarr: WiFi and Bluetooth
WB 6 th December	Revision
WB 13 th December	Assessment

Half Term 3

WB Tues 4 th Jan	Feedback, D.I.R.T and Pupil Voice
Date	Unit Name – Computer Components
WB 10 th January	Computer Hardware
WB 17 th January	Peripherals
WB 24 th January	Memory and Storage
WB 31 st January	The internet, WWW and IoT
WB 7 th February	Assessment

Half Term 4

WB 21 st February	Feedback, D.I.R.T and Pupil Voice
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Date	Unit Name – Internet Safety, Cyber Security and Encryption
WB 28 th February	Passwords and Phishing
WB 7 th March	Malware
WB 14 th March	Encryption
WB 21 st March	Cyber Attacks and Encryption
WB 28 th March	Assessment / Algorithms
Half Term 5	
Date	Unit Name – Logic, Processes and Flowcharts
WB Tues 19 th April	Flowchart Symbols
WB 25 th April	Creating Flowcharts
WB 2 nd May	Flowcharts
WB 9 th May	Practise and Sum Up
WB 16 th May	Practise and Sum Up
WB 23 rd May	Assessment
Half Term 6	
Date	Unit Name – Programming in Scratch
WB 6 th June	Introduction to the Scratch Environment
WB 13 th June	Movement
WB 20 th June	Sensing and selection
WB 27 th June	Variables
WB 4 th July	Next Level
WB 11 th July	Finish your game
WB 18 th July	End of Year Review



Armfield Academy – Department of Computer Science
2021-22 Year 9 Curriculum Overview



Half Term 1	
Date	Unit Name – Programming in Scratch
WB 6 th September	Introduction to the Scratch Environment
WB 13 th September	Sequencing
WB 20 th September	Using Variables
WB 27 th September	Selection
WB 4 th October	Selection and logical operators
WB 11 th October	Iteration
Half Term 2	
WB 1 st November	Feedback, D.I.R.T and Pupil Voice
Date	Unit Name – Computing – Past, Present and Future
WB 8 th November	Alan Turing: Encryption
WB 15 th November	Larry Page: Using Google
WB 22 nd November	Edward Snowden: Privacy
WB 29 th November	Hedy Lamarr: WiFi and Bluetooth
WB 6 th December	Revision
WB 13 th December	Assessment
Half Term 3	
WB Tues 4 th Jan	Feedback, D.I.R.T and Pupil Voice
Date	Unit Name – Computer Components
WB 10 th January	Computer Hardware
WB 17 th January	Peripherals
WB 24 th January	Memory and Storage
WB 31 st January	The internet, WWW and IoT
WB 7 th February	Assessment
Half Term 4	
WB 21 st February	Feedback, D.I.R.T and Pupil Voice

Date	Unit Name – Internet Safety, Cyber Security and Encryption
WB 28 th February	Passwords and Phishing
WB 7 th March	Malware
WB 14 th March	Encryption
WB 21 st March	Cyber Attacks and Encryption
WB 28 th March	Assessment / Algorithms
Half Term 5	
Date	Unit Name – Logic, Processes and Flowcharts
WB Tues 19 th April	Flowchart Symbols
WB 25 th April	Creating Flowcharts
WB 2 nd May	Flowcharts
WB 9 th May	Practise and Sum Up
WB 16 th May	Practise and Sum Up
WB 23 rd May	Assessment
Half Term 6	
Date	Unit Name – Think like a computer scientist (Logo)
WB 6 th June	Algorithms (recap and new topic)
WB 13 th June	Computational Thinking & Data and Pattern Identification
WB 20 th June	Using Logo 1
WB 27 th June	Using Logo 2
WB 4 th July	Practise and Revision
WB 11 th July	Assessment
WB 18 th July	End of Year Review